

ABSTRACT

A piezoelectric ceramic belt comprising a piezoelectric ceramic layer in the form of an endless belt having an upper surface and a lower surface with said layer further comprising a first set of circular or square electrodes formed on the upper surface of the belt with the electrodes arranged at regular intervals along the circumference of the belt and spaced a given distance from both side edges of the belt and a second set of circular or square electrodes formed on the lower surface of the belt aligned in position with said first set of electrodes on the upper surface of the belt wherein the electrodes of the first and second set are polarized by application of a high voltage to cause a piezoelectric effect in the ceramic layer between the electrodes in the first set acting as either positive or negative electrodes and the electrodes in the second set acting as counter electrodes.